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LASER BEAM OR LIGHT AMPLIFYING GLASS COMPOSITION

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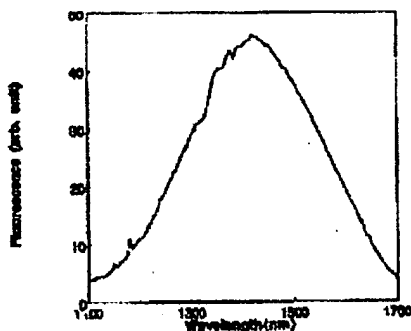
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Abstract of JP6298058

PURPOSE: To provide a glass composition which is applicable to a laser oscillator or an optical amplifier having a laser oscillation function or an optical amplification function over a very wide wavelength range of light or a laser beam whose center wavelength is important to an optical communications wavelength range. **CONSTITUTION:** The composition contains 5 to 60mol% of Al_2O_3 and Cr. When Cr ions are contained in glass whose main component is aluminum oxide, fluorescence is intense in a wide wavelength band of 1.1 to 1.7 μm . Light emission spectrum is shown in the figure when glass of certain composition is excited by a YAG laser of 1.08 μm .



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